

## AMENDMENT 0001 OF SOLICITATION W56HZV-04-Q-RA01

26 July 2004

Issued By:

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AMSTA-AQ-ABGB  
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NOTE: This Amendment 0001 is issued in accordance with Federal Acquisition Regulation 52.215-1(b). Offerors must acknowledge receipt of this Amendment 0001 by having a person authorized to sign proposals on behalf of the offeror, sign it (see signature block below) and provide it in Volume III "Certifications/Representations/Contract Formation" of their offer. Acknowledgement of this Amendment 0001 is important because failure to do so may render your offer non-responsive.

The hour and date specified for the receipt of offers is not extended.

The purpose of this Amendment 0001 to Solicitation W56HZV-04-Q-RA01 is to revise Sections 9.1.1 and 10.3.1 of the Research Announcement (RA) for Technical Element 1. The following narrative for Technical Element 1 hereby replaces the Technical Element 1 narrative in the original RA in its entirety:

### 9.1.1 Technical Proposal (Volume I)

**Element 1 - Vehicle System Capabilities:** The offeror shall provide the following:

(The offeror's proposal in response should not exceed 3 pages for each of the eight capabilities listed below) Based on Program Objectives, the following eight capabilities are key system capabilities, as defined in Attachment 3 and the vehicle performance specifications, which the Government seeks to achieve and demonstrate under the program:

1. Distribution
2. Maintainability
3. Operational range
4. Mobility
5. Network Centricity
6. Deployability
7. Force Sustainment
8. Survivability

For capabilities #1 - #7, the offeror shall provide the following:

Identify three candidate technology solutions which the offeror considers to offer high potential for achieving threshold or objective performance specification requirements (UV and Companion Trailer or MSV and Companion Trailer). Identify and discuss the basis for the Technology Readiness Level (TRL) for each candidate technology. Provide a comparative analysis and discussion of the likelihood of these candidate technology solutions to achieve threshold or objective requirements for both the ACTD Demonstration phase of the program and by 2010. Also discuss the impacts of the candidate technology solutions on all other key system capabilities.

For capability #8, Survivability, the offeror shall provide unclassified information for the following:

Identify one Survivability technology solution for each of the following:

Direct Fire: Provide crew compartment occupant's protection from multiple 7.62 mm ammunition & 7.62 mm x 54R B32 API.

Mine Protection: Protect occupants from anti-personnel & anti-tank mines vertical accelerations.

Improvised Explosive Devices: (IED Protection) Protection of crew compartment occupants from 155mm high explosive (HE) artillery round detonated on the ground.

Infantry Anti-Tank Protection: protection of crew compartment occupants from Rocket Propelled Grenades RPG's.

The technologies provided should have a high potential for protecting the crew (UV or MSV) against the threats identified above. Also identify and discuss the basis for the Technology Readiness Level (TRL) for each candidate technology. Discuss the impacts of the candidate technology solutions on all other key system capabilities.

**10.3.1** The Technical Area includes four Elements which will be evaluated as follows:

**Element 1.** Vehicle System Capabilities:

The Vehicle System Capabilities Element will evaluate the proposal risk probability (including advantages and disadvantages) that the offeror will successfully and timely perform contract requirements based on the following:

For the first seven capabilities, the offeror's knowledge of candidate technology solution alternatives and the basis of their Technology Readiness Levels, as demonstrated by the offeror's logic and rationale in performing a comparative analysis and discussion of the three identified candidate technology solutions; and how the

solutions can be expected to meaningfully contribute toward achievement of the threshold/objective requirements for that individual capability during the ACTD Demonstration phase of the program and by 2010.

For the eighth capability, Survivability, the offeror's knowledge of the candidate technology solution for each of the four threats and the basis of their Technology Readiness Levels, as demonstrated by the offeror's logic and rationale in their discussion of the identified candidate technology solutions; and how the solutions are expected to meaningfully contribute toward protecting the crew against the threats identified.

The Government's assessment under Element 1 will also consider the net contributory impacts (positive and negative) of the offeror's candidate technologies on all other key system capabilities. Also, for the first seven capabilities, candidate technology approaches which are credibly expected to result in achievement of objective requirements will be evaluated more favorably than approaches which are credibly expected to result in achievement of threshold requirements. For the eighth capability, Survivability, candidate technology approaches which are credibly expected to meaningfully contribute toward protecting the crew against all the threats identified will be evaluated more favorably than approaches which are credibly expected to meaningfully contribute toward protecting the crew against something less than all the threats identified.

Acknowledgement:

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Contractor Name

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Name of Signor (type or print)

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Title of Signor

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Date

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Signature (of person authorized to sign)